

WHAT IS CLAIMED IS:

1. A process for manufacturing a liquid crystal display device including a step of irradiating polarized UV light to an orientation film formed on a substrate
5 while heating the substrate.

2. A process for manufacturing a liquid crystal display device according to claim 1, wherein the heating is provided by a stage associated with the substrate.

3. A process for manufacturing a liquid crystal display device according to claim 2, wherein the heating is provided by the stage which moves the substrate.

4. A process for manufacturing a liquid crystal display device according to claim 1, wherein the UV light is provided by a light source which is at least one of an excimer laser, argon laser, gas laser, solid-state laser, semiconductor laser and pigment laser.
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5. A process for manufacturing a liquid crystal display device according to claim 1, wherein the UV light is provided by a light source which is at least one of a high-pressure, middle-pressure and low-pressure mercury arc lamp and a xenon lamp.
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6. A process for manufacturing a liquid crystal display device according to claim 1, wherein the liquid crystal display device is a lateral electric field type liquid crystal display device.

5 7. A process for manufacturing a liquid crystal display device according to claim 1, wherein orientation easy axes of an upper orientation film formed on an upper substrate and a lower orientation film formed on a lower substrate are substantially parallel to one another.

10 8. A process for manufacturing a liquid crystal display device including a step of irradiating polarized UV light to an orientation film formed on a substrate while maintaining a temperature of the substrate higher than room temperature.

15 9. A process for manufacturing a liquid crystal display device according to claim 8, wherein the UV light is provided by a light source which is at least one of an excimer laser, argon laser, gas laser, solid-state laser, semiconductor laser and pigment laser.

20 10. A process for manufacturing a liquid crystal display device according to claim 8, wherein the UV light is provided by a light source which is at least one of a

high-pressure, middle-pressure and low-pressure mercury arc lamp and a xenon lamp.

11. A process for manufacturing a liquid crystal display device according to claim 8, wherein the liquid
5 crystal display device is a lateral electric field type liquid crystal display device.

10 12. A process for manufacturing a liquid crystal display device according to claim 8, wherein orientation easy axes of an upper orientation film formed on an upper substrate and a lower orientation film formed on a lower substrate are substantially parallel to one another.

15 13. A process for manufacturing a liquid crystal display device including a step of irradiating polarized UV light to an orientation film formed on a substrate for a time period while maintaining a temperature of the substrate which is higher than room temperature, the time period being less than a time period when the substrate is not maintained at the higher temperature.

20 14. A process for manufacturing a liquid crystal display device according to claim 13, wherein the UV light is provided by a light source which is at least one of an excimer laser, argon laser, gas laser, solid-state laser, semiconductor laser and pigment laser.

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15 5 16. A process for manufacturing a liquid crystal display device according to claim 13, wherein the UV light is provided by a light source which is at least one of a high-pressure, middle-pressure and low-pressure mercury arc lamp and a xenon lamp.

16. A process for manufacturing a liquid crystal display device according to claim 13, wherein said liquid crystal display device is a lateral electric field type liquid crystal display device.

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15 17. A process for manufacturing a liquid crystal display device according to claim 13, wherein orientation easy axes of an upper orientation film formed on an upper substrate and a lower orientation film formed on a lower substrate are substantially parallel to one another.

15 18. A liquid crystal display device including orientation film formed on a substrate, wherein the orientation film is responsive to irradiation by polarized UV light while heating of the substrate for orientation of the orientation film.

20 19. A liquid crystal display device according to claim 18, wherein the liquid crystal display device is a lateral electric filed type liquid crystal display device.

20. A liquid crystal display device according to claim 18, wherein the liquid crystal display device has a size of at least 10 inches.